



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov



Bib Data Sheet

CONFIRMATION NO. 1632

| | | | | |
|------------------------------------|---|---------------------|-------------------------------|---|
| SERIAL NUMBER 10/532,632 | FILING OR 371(c) DATE 04/25/2005 RULE | CLASS 375 | GROUP ART UNIT 2611 | ATTORNEY DOCKET NO. PD-202130 |
|------------------------------------|---|---------------------|-------------------------------|---|

APPLICANTS

Ernest C Chen, San Pedro, CA;
 Weizheng W. Wang, Rancho Palos Verdes, CA;
 Guangcal Zhou, Reseda, CA;
 Tung-Sheng Lin, Alhambra, CA;
 Joseph Santoru, Agoura Hills, CA;

**** CONTINUING DATA *******

This application is a 371 of PCT/US03/32264 10/10/2003 which is a CIP of 09/844,401 04/27/2001 PAT 7,209,524

**** FOREIGN APPLICATIONS *********IF REQUIRED, FOREIGN FILING LICENSE GRANTED**

** 04/01/2006

| | | | | | |
|---|---|-----------------------------------|---------------------------------|-------------------------------|-------------------------------------|
| Foreign Priority claimed 35 USC 119 (a-d) conditions met | <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance | STATE OR COUNTRY CA | SHEETS DRAWING 23 | TOTAL CLAIMS 63 | INDEPENDENT CLAIMS 14 |
| Verified and Acknowledged | Examiner's Signature _____ Initials _____ | | | | |

ADDRESS

Directv Group Inc
 Re R11 A109
 PO Box 956
 El Segundo, CA90245

TITLE

Lower complexity layered modulation signal processor

| | | |
|--|---|---|
| FILING FEE RECEIVED 4850 | FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following: | <input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit |
|--|---|---|